## (12) UK Patent Application (19) GB (11) 2 301 417 (13) A

(43) Date of Printing by UK Office 04.12.1996

- (21) Application No 9617960.1
- (22) Date of Filing 11.01.1995
- (30) Priority Data

(31) 20687594

(32) 04.03.1994

(33) US

- (86) International Application Data PCT/US95/00358 En 11.01.1995
  - ) International Publication Data
- W095/23685 En 08.09.1995
- (71) Applicant(s)

**Aeroquip Corporation** 

(Incorporated in USA - Michigan)

3000 Strayer Road, Maurnese, Ohio 43537, United States of America

(72) Inventor(s) Brian J Walsh (51) INT CL6

B29D 23/00 , B32B 1/08 , F16L 11/04 // B32B 27/08 27/30 27/32 27/34 27/40

(52) UK CL (Edition O)

F2P PC27 P1B7C P1B7D P1B7E P1B7F P1B7L P1B7M P1B7N P1B7R U1S S1883

(56) Documents Cited by ISA

US 5356681 A US 5298300 A U US 5062456 A US 4925710 A U

US 5170011 A US 4787921 A

US 4659625 A US 4444826 A

JP 040336245 A

- 58) Field of Search by ISA
- US 428/36.9, 36.91, 421
- (74) Agent and/or Address for Service
  Boult Wade Tennant
  27 Furnival Street, LONDON, EC4A 1PQ,
  United Kingdom

## (54) Composite and tie layer therefor

(57) This development provides a composite or hose which minimizes hydrocarbon emission in fuel systems. The composite or hose (10) is especially suitable for motor vehicles. The composite or hose (10) uses a thin, inner layer (12) of a polyfluorocarbon polymer and an outer layer (14) of a thermoplastic elastomer.

